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### DECLARATION, SPECIFICATIONS and PETITION

I, Douglas D. DeMasi, declare that I am a citizen of the United States of America residing at 1216 Beekman Road, Hopewell Junction, New York 12533. That I have read the foregoing specifications and claims and I verify, believe, I am the original, first and sole inventor of the invention or discovery in the Triangle Air Baffle, with Self Adhesive Double Sided Tape ends, and Base described and claimed herein. That I do not know and I do not believe that this invention was ever known or used before my invention or discovery thereof, or patented or described in any printed publication in any country before my invention or discovery thereof, or more than one year prior to this application or in public use or on sale in the untied states for more than one year prior to this application. "That this invention or discovery has not been patented in any country foreign to the United States on the application filed by me or assigned more than 123 months before this application." And that no application for patent on this invention or discovery has been filed by me or by my representatives or assigns in any country foreign to the United Sates.

Further, that I acknowledge I have duty to disclose to the Patent and Trademark Office information that I am aware of and this material to the examiner of the application in accordance with, 37 CFR 156 "A".

WHEREFORE, I pray that letters patented be granted to me with the invention or discovery described and claimed in the foregoing specifications and claims, and I hereby subscribe my name to the foregoing specifications and claims, declaration and this petition.

The undersigned petitioner declares further that all statements made herein of his own knowledge are true and that all statements made on this information and belief are believed to be true. And further, that these statements were made within the knowledge that willfully false statements and the like so made are punishable by fine or imprisonment or both under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued hereon.

Inventor's Full Name:

Signature:

Date:

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Douglas D. DeMasi, Sr. March 2, 2004

## **Abstract**

### **Triangle Air Baffle with Self-Adhesive double-sided Tape Ends and Base**

The air baffle is not to be taken lightly. If the air baffle is damaged during the installation stage, there will be enormous interior and exterior damage to the structure. The owner won't know about the problem until the damage caused by water condensation is so severe that to repair the damage will cost thousands of dollars. And the cause of the problem will be a damaged air baffle.

Anyone in the construction field, or not, can easily see the air baffles that are made today are not in any way shape or form structurally sound. The triangle air baffle has enormous pressure points on all corners.

I have tried this half round air baffle against the triangle air baffle and found the triangle to be better.

## Related US Applications Data

### Reference Cited United States Patents

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## Claims

What I claim:

- 1) Flanged and tapered ends for easy and secure connect.
- 2) Each end has self-adhesive ends, so before you connect, simply remove the protector seal and push to connect.
- 3) Male to female lock connected ends.
- 4) Extra strong structure, using the triangle corner pressure points. But not limited to the triangle corner pressure points, honey cone, octagon.
- 5) Self-adhesive base, with a protected cover until used, must remove the cover and put in to place, between rafters, roof trusses, floor joists.
- 6) Light weight and so strong one can stand on, and the triangle won't break.
- 7) Can cut into different sections to fit uneven or odd shapes and this invention won't lose its horizontal or vertical strength.
- 8) More unobstructed air flow then any other air baffle on the market.
- 9) Made from styrofoam, plastic, composites just to mention a few.
- 10) Lower profile to be more efficient when insulation is installed so there is less pressure against insulation.
- 11) Able to interlock for a wider then normal bay, by turning one over and simply attach together by using the self-adhesive double sided tape.
- 12) No staples or roofing nails to install.
- 13) Worker friendly less chance to be damaged if at all when being installed.
- 14) Time saving from the ease of installation

## **Background of the Invention**

### **The Field of the Invention**

**The air baffle is a very underrated piece of equipment that is used every day in homes, sheds, garages and commercial buildings.**

**The very existence of the air baffle that prevents the build up of water condensation to prevent water damage is so important, but very easily overlooked.**

**The air baffle that one would buy in the stores today to say the least is no more than a dinosaur.**

**They are not reliable nor do they have any real structural integrity. They are easily broken when being installed and the installer of insulation rarely knew he has damaged the air baffle. So the only indication that there is a problem is when the homeowner sees a water spot in the ceiling then there is a very large repair bill.**

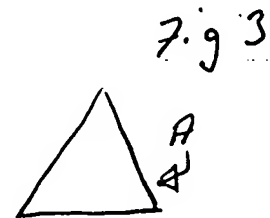
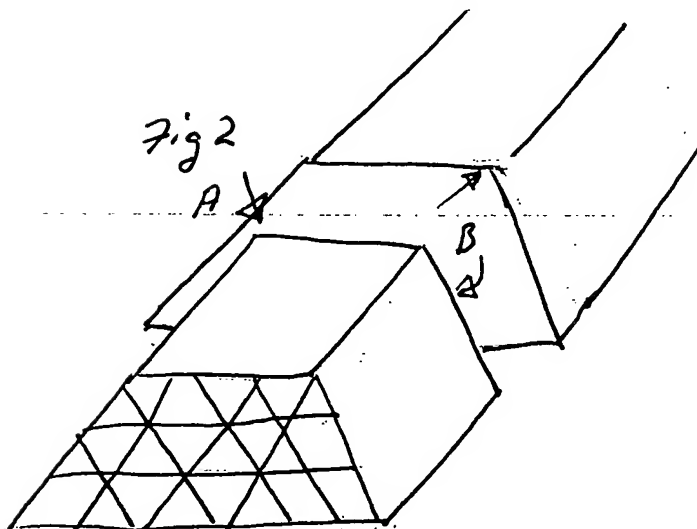
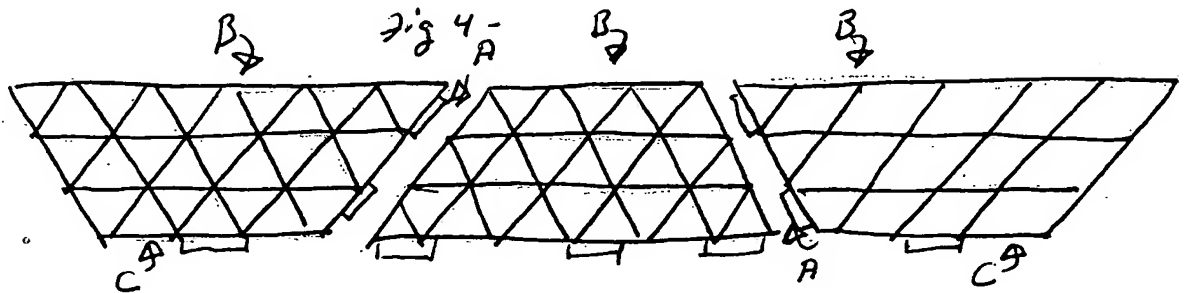
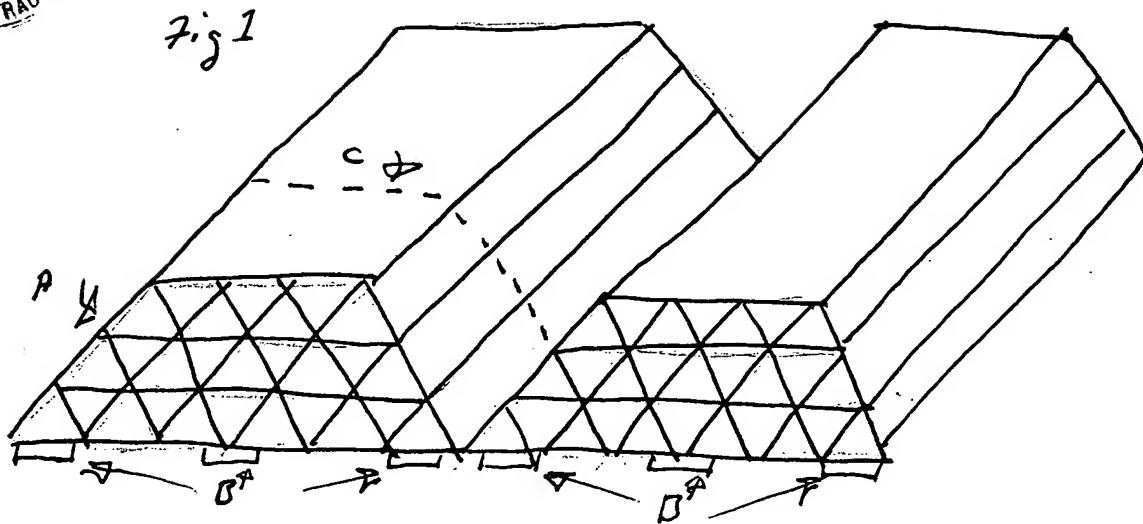
**And when the workmen repair the section that has been damaged, they will clearly notice the dark gray color of the roof flooring, and around the roof rafters, or roof truss.**

### Brief Description of the Drawing

1. Showing two triangle air baffles with a the cross section for added strength Fig. 1A
2. The self-adhesive double sided tape end, with the protected cover still on Fig. 1-13.
3. Looking down, the two sections are being joined at the flanged end, Fig.2-A.
4. The joints are secured by a self-adhesive glue tape, that will keep a good tight seal Fig. 2-13.
5. The triangle air baffles can be cut into different sections and still be strong to be fitted for the uneven or added shape. Fig. 1-6.
6. Showing a triangle with the three even pressure points. Fig.3-A.

### Detailed Description of the Invention

1. Fig 1-A shows the profile of the triangle air baffle vents.
2. Fig 1-B there are three self-adhesive double end fastening tabs with their protected cover on the end.
3. Fig 1-C there is a dotted line, indicating a predetermined line cut. There is also a solid line, horizontal that will be cut to fit in a special area that needs to breath air.
4. Fig 2-A shows the two ends being connected easily with the flexible flanges.
5. Fig 2-B the flexible flanges have a self-sealing adhesive glue tape ends and the protective cover have been removed so there air tight seal for full air flow.
6. Fig 3-A showing the three pressure points for even pressure points.
7. The self-adhesive double seal tab stripes can be removed to accommodate other air baffles for a reattachment for a tight fit. Fig 4-A.
8. Three triangle air baffles are installed together for a wider bay area. Fig 4-B.
9. Fig. 4- Two triangle air baffles are upside down. Fig 4-C.
10. Fig 4- The self-adhesive double sided glue tape ends have been easily removed from Fib 4-C, at the bottom and reattach to the sides of the air baffle for a tight seal.
11. Fig 4 – Clearly shows Fig. C. Air baffles are upside down, but there is no real top or bottom, or permanent sides. This air baffle is the only one of its kind, a true versatile air baffles. Fig. 4.
12. Fig. 1 shows the entire triangle air baffle in its full shape. The front is the back, and the back is the front.
13. The triangle air baffle can be placed on end in a vertical bay and attached very easily and secure. Fig. 1.
14. Can be manufactured so as to fold down flat for less space during transportation, then just opened right up for a strong, firm structure.



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